

Work Order ID 160650

Tuesday, May 02, 2017 2:51:15 PM

160650

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Item ID: D4777-1

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Rod End Bearing

Start Date: 5/2/2017 Start Qty: 10.00

10

Cust Item ID:

Required Date: 5/9/2017 Req'd Qty: 10.00

10

Customer:

Reference:

Approvals: Process Plan: DAS 13 9-89 Date: MAY 02 2017

Run Start

NR1

QC: _____ Date: _____ Tooling: _____ Date: _____

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D4777	A

100

0.00

100

Purchasing

PURCHASING

Memo

0.00

Purchasing

Issue P/O: 36214Purchase Part Number: 59915K274 Supplier: Mc Master Carr or CTG
Certificate of conformity is required10 MAY 05 2017 DAS 13 9-89

110

0.00

110

Packaging

Receive & Inspect for Damage & Mat'l Certs

Memo

0.20

Packaging

Ensure certificate of conformity is attached

10x 8p/7-5-8

120

0.00

120

QC

QC6- All purchased or subcontracted products

Memo

0.00

Quality Control

10 MAY 08 2017 DAS 38 9-89

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date : _____		Step #: _____		QTY Effective : _____			MRB (QS1042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By																																																									
								Lead hand / Supervisor Approval Verification																																																									
								QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

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160650

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Item ID: D4777-1**Accept*****N900040100*****Setup Start*****NS1*****Revision ID:****Stop*****NS2*****Item Name:** Rod End Bearing**Start Date:** 5/2/2017 **Start Qty:** 10.00***10*****Cust Item ID:****Required Date:** 5/9/2017 **Req'd Qty:** 10.00***10*****Customer:****Reference:****Approvals:** **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____**Run Start*****NR1*****QC:** _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____**Stop*****NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <u>SH25</u>	0.00							
130									
Packaging	Memo	0.10				10	8	MAY 04	
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	1.00							
Quality Control									

DAS
21
9-88

MAY 11 2017

Picklist Print

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Work Order ID: 160650

160650

Parent Item: D4777-1

D4777-1

Parent Item Name: Rod End Bearing

Start Date: 5/2/2017

Required Date: 5/9/2017

Start Qty: 10.00

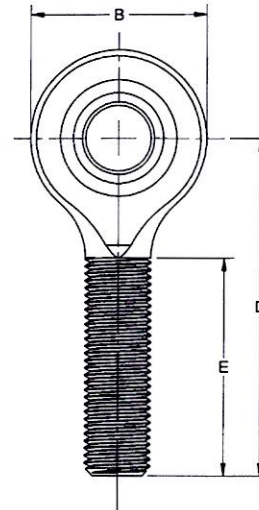
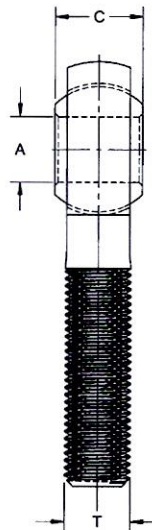
Required Qty: 10.00

Comments: IPP REV:A 12.10.03 NEW ISSUE DD VERF:JFS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
59915K274		Purchased	No			110	Each	0.0000	1	10			
59915K274									**				
Rod End Bearing													

10x SP17-58

SPECIFICATION CONTROL DRAWING



ROD END BEARING

MAY 02 2017
DAS
13
9-89

W/O: 160650

DART P/N	HOUSING MATERIAL	A	B	C	D	E	T (THREAD SIZE)	SUGGESTED SUPPLIER	SUGGESTED SUPPLIER P/N
D4777-1	STAINLESS STEEL	Ø 0.38	1.00	0.500	1.94	1.25	3/8-24 (RIGHT HAND)	MC MASTER CARR	59915K274

RELEASED
2013-08-14

A	NEW ISSUE	AJS	13.08.08
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. A
MFG. APPR.	<i>[Signature]</i>	D4777	SHEET 1 OF 1
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	ROD END BEARING	NTS
DATE	13.08.08	COPYRIGHT © 2013 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE REPRODUCED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO36214**

Purchase Order Date 5/5/2017

PO Print Date 5/5/2017

Page Number 1 of 6

Order From :
MCMASTER-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED
MAY 05 2017

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	330 995 5500	Customer POID	
		Customer Tax #	10127-2607
Ship To Contact		Terms	Net 10
Ship To Phone		Currency	USD
Ship Via:	Purolator ground ppd	FOB	FCA - (Free Carrier)
Ship Acct:			

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable CD Promise Date	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	30365T35 AS PER DWG D4405 REV. A B160649	Swivel Eye & Fork	5/10/2017 Yes 5/10/2017	2.00 Each	\$69.79	\$139.58
Line Total:						\$139.58
2	59915K274 AS PER DWG D4777 REV. A B160650	Rod End Bearing DAS 38 9-89	5/10/2017 Yes 5/10/2017	10.00 Each	\$19.05	\$190.50
Line Total:						\$190.50
3	9776K38 AS PER DWG D3800 REV. B B160655	Hook & Loop Strip 1"	5/10/2017 No 5/10/2017	150.00 f	\$1.21	\$181.18

Note:

5/5/2017



200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO36214

Order Placed By
Chantal Lavoie

McMaster-Carr Number
2894755-02

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05/05/2017

Line	Product	Ordered	Shipped
1	30365T35 Eye-to-Clevis Swivel - Not for Lifting 316 Stainless Steel, 5-3/4" Long	2 Each	2
2	59915K274 Corrosion-Resistant Ball Joint Rod End 3/8"-24 Thread, Right Hand	10 Each	10
3	9776K38 1" Wide x 75' Long Loop, Adhesive Back, Beige	2 Each	2
4	9776K33 1" Wide x 75' Long Hook, Adhesive Back, Beige	2 Each	2
6	90145A624 18-8 Stainless Steel Dowel Pin 3/8" Diameter, 1" Long, Packs of 5	20 Packs	20
7	90145A542 18-8 Stainless Steel Dowel Pin 1/4" Diameter, 1" Long, Packs of 10	2 Packs	2
8	8492A064 Press-Fit Drill Bushing with Head 0.2656" ID, 1/2" OD	8 Each	8
9	3344T54 Ratchet Puller with Wire Rope Standard Handle, 2000 lbs. Capacity, 12 Feet Reach	1 Each	1
10	2757A34 Cutting Wheel for Tube and Pipe Cutter Ridgid 35S, Packs of 2	2 Packs	2
11	3033A232 Heat-Resistant Cobalt Steel Jobbers Drill Bit Wire Gauge 20, 3-1/4" Overall Length, 1.9" Drill Depth, 135Deg Point	12 Each	12
12	8491A105 Press-Fit Drill Bushing 0.161" ID, 1/2" Long	40 Each	40
13	7219K5 1 Gang Industry Designation Blank Cover for Weatherproof Outlet Box	6 Each	6
14	2105T12 Plastic Surface-Mount Outlet Box White, for 1 Device	10 Each	10
15	4372T28 Spray Bottle with Checklist and Write-on Area 24 oz. Capacity, Packs of 4	1 Pack	1

Shipped separately from our Chicago warehouse on 05/05

5 75045A66 Flexible Epoxy Structural Adhesive 3M 2216, 26.6 oz. Can

1
Each 1

8017-5-8